

Update on X6A Software

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Features to Energy Scan

- Auto-Chooch

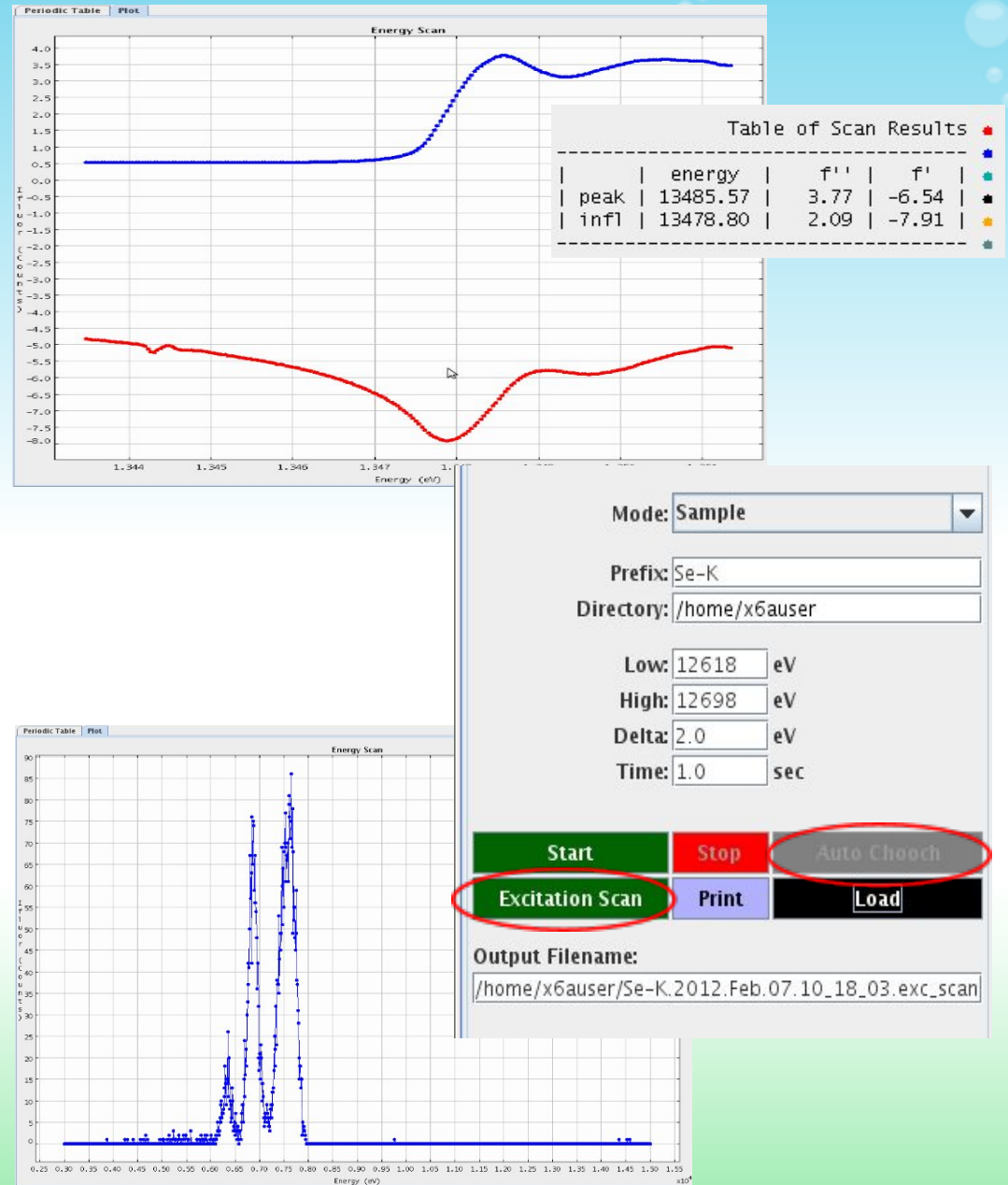
1. run chooch command behind the scene
2. automatically display results
3. history review

- Excitation Scan

1. display all the peaks with a single shot on one click
2. manipulate count array from EPICS ioc

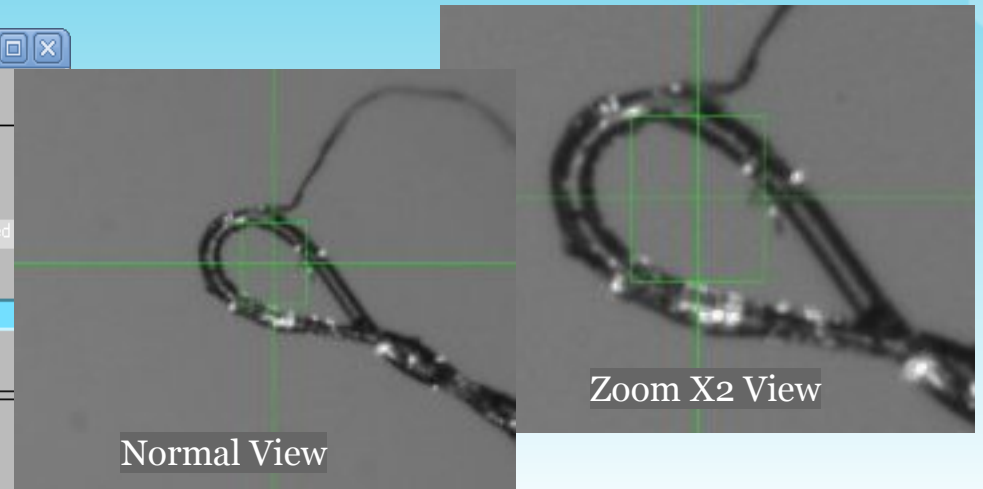
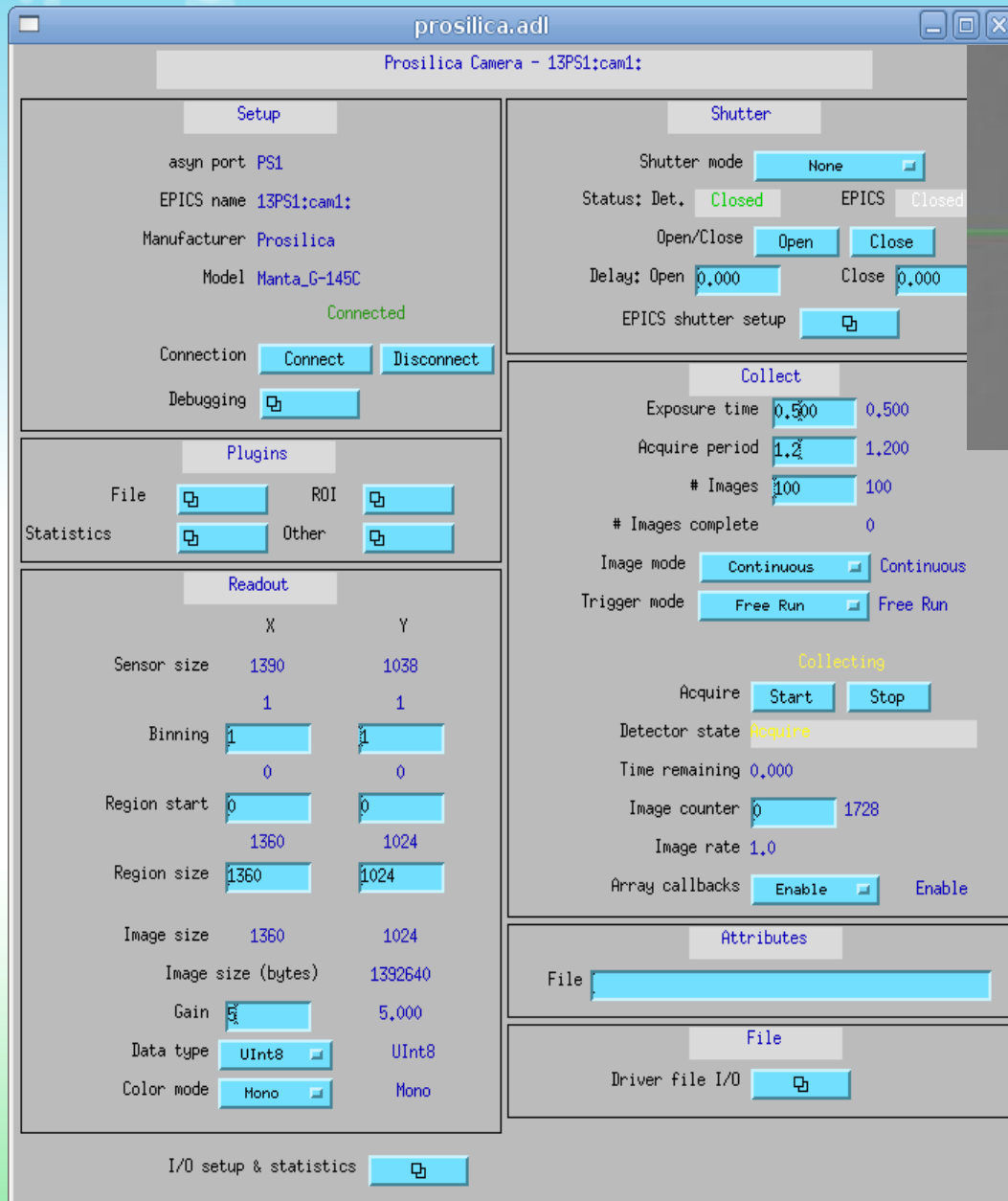
- Benefits

1. Short commission time
2. Minor changes on GUI
3. Easy to use



Integration of AVT Camera

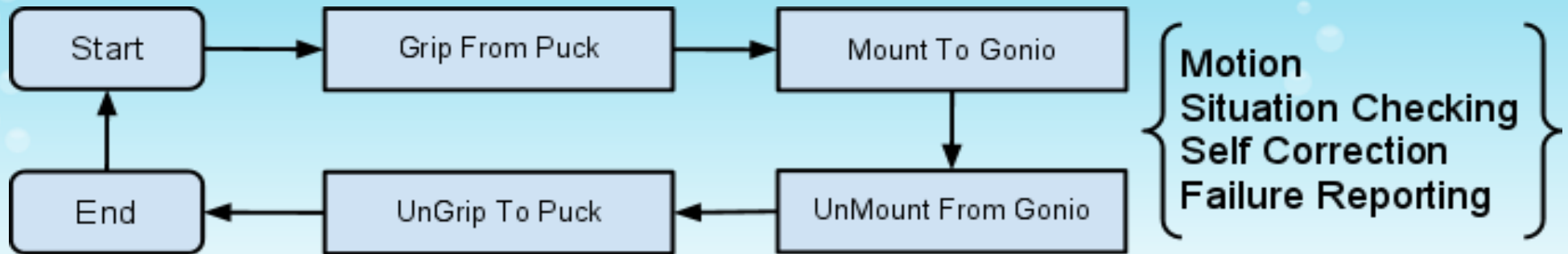
Allied Vision Technologies



- EPICS area Detector IOC
- Communications between IOC and DCS client
- Resolution (1360x1024)
 1. Window Size 680x512
 2. Normal View --- compressed
 3. Zoomx2 view --- uncompressed

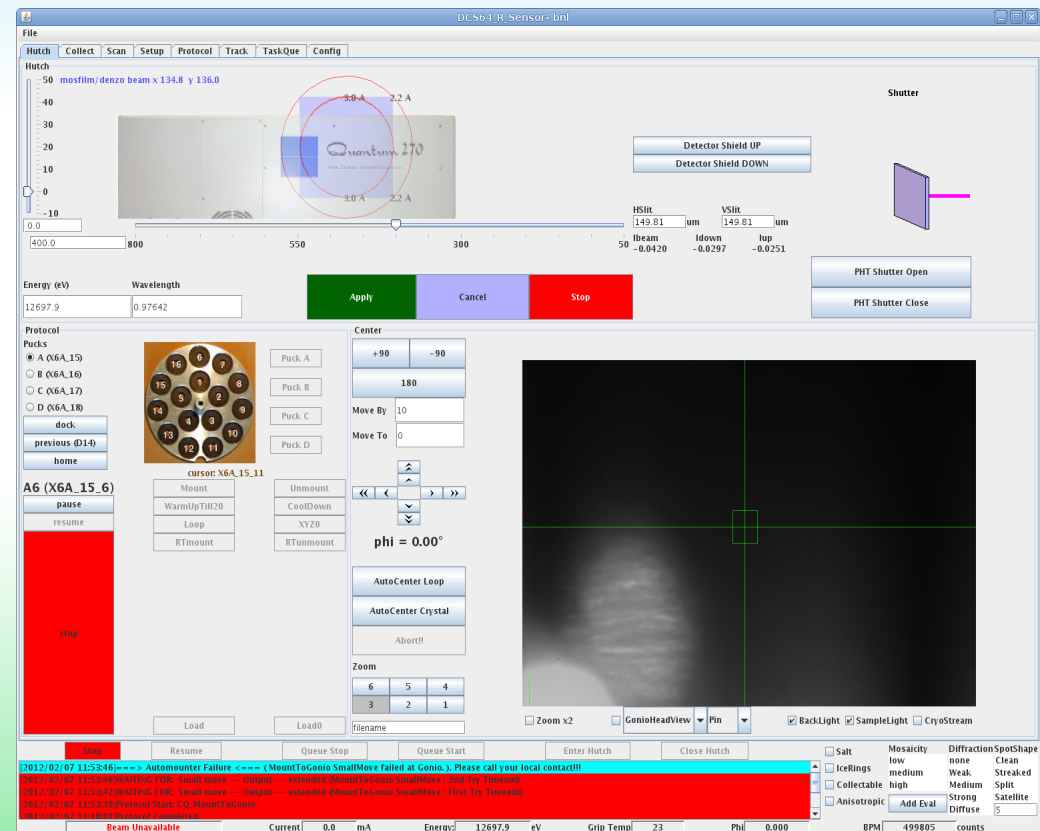
Automounter Protocol with laser

● Work Flow

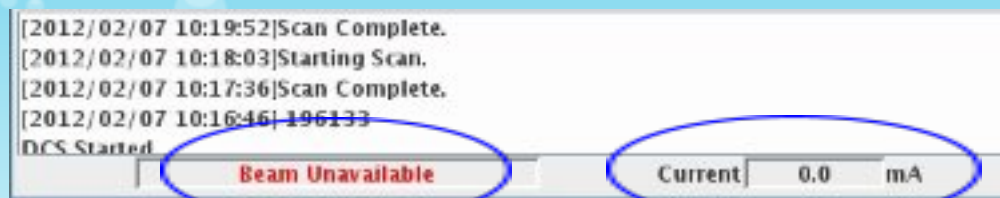


● Features

1. Crystal position tracking
2. More complicated IF conditions checking
3. Situation judging and partially auto-correcting
4. Failures reporting
5. Failure analyzing on different manufactured pucks



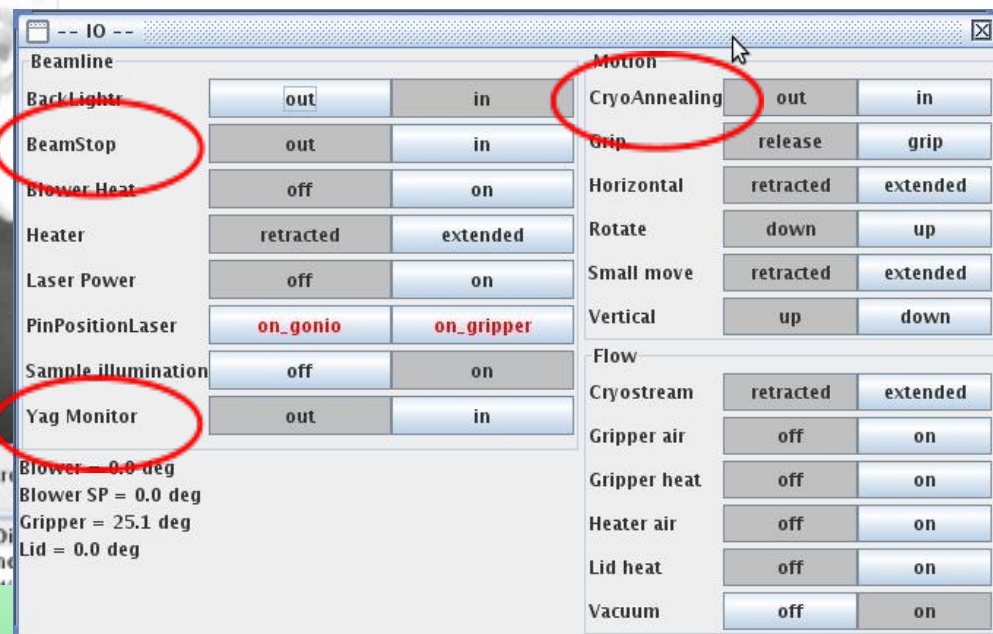
Miscellaneous Changes



- Ring status in DCS
 1. most current status
 2. update rate

- Camera view switches
 1. drop-down menu
 2. pan/tilt and zoom Function

- Buttons for DIO devices



Summary

- Three major developments were integrated
 - Energy Scan Features
 - AVT Camera Integration
 - Automounter Laser Protocol

Question: Gain ? or Pain ?

- Several small changes

THANK YOU FOR YOUR TIME!

QUESTIONS?